

## EAST Search History

S19 1	770	((card sim smartcard chip) with (stor\$4 with (key))) same ((updat\$4 chang\$4) with key)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 10:10
S19 2	45	((card sim smartcard chip) with (stor\$4 with (key))) same ((updat\$4 chang\$4) with key) same (wireless cellular mobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 10:11
S19 3	10	((card sim smartcard chip) with (stor\$4 with (key))) same ((updat\$4 chang\$4) with key) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 10:11
S19 4	16	((card sim smartcard chip) with ((access\$4 stor\$4) with (key))) same ((updat\$4 chang\$4) with key) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:12
S19 5	188	(SECTRA near2 COMMUNICATIONS)"as."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 12:54
S19 6	4	(SECTRA near2 COMMUNICATIONS)".""as."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 13:04
S19 7	1	("5485519").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/29 13:04
S19 8	16	((card sim smartcard chip) with ((access\$4 stor\$4 retriev\$4) with (key))) same ((updat\$4 chang\$4) with key) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:14
S19 9	19	((card sim smartcard chip) same ((access\$4 stor\$4 retriev\$4) with (key))) same ((updat\$4 chang\$4) with key) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:29

## EAST Search History

S20 0	717	((card sim smartcard chip) same ((access\$4 stor\$4 retriev\$4 updat\$4 upgrad\$4 chang\$4 maintain\$4) with (key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:37
S20 1	480	((card sim smartcard chip) with ((access\$4 stor\$4 retriev\$4 updat\$4 upgrad\$4 chang\$4 maintain\$4) with (key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:42
S20 2	344	((card sim smartcard chip) with ((stor\$4 updat\$4 upgrad\$4 chang\$4 maintain\$4) with (key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:43
S20 3	34	((card sim smartcard chip) with ((updat\$4 upgrad\$4 chang\$4 maintain\$4) with (key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:02
S20 4	256	((card sim smartcard chip device) with (( updat\$4 upgrad\$4 chang\$4 maintain\$4) with (key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:04
S20 5	53	((card sim smartcard chip device) with (( updat\$4 upgrad\$4 chang\$4 maintain\$4) near2 (key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:02
S20 6	11	((card sim smartcard chip device) with (( updat\$4 upgrad\$4 chang\$4 maintain\$4) near2 ((encrypt\$4 cipher\$4 crypto\$7) with key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:37
S20 7	16	((card sim smartcard chip device) with (( updat\$4 upgrad\$4 chang\$4 maintain\$4) near2 ((encrypt\$4 cipher\$4 crypto\$7) near2 key))) same (wireless cellular mobile) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:03

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S20 8	0	11/612095	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:42
S20 9	64	"6519571"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:42
S21 0	6	("6199161").URPN.	USPAT	OR	ON	2007/07/05 15:40
S21 1	1	("6430407").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/05 15:41
S21 2	2	("2003/0078072").URPN.	USPAT	OR	ON	2007/07/05 16:03
S21 3	35	("5884168").URPN.	USPAT	OR	ON	2007/07/05 17:04
S21 4	1	("6622257").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/05 17:04
S21 5	0	((keywith(updat\$4chang\$4))same(devicecardsmartcardchip))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/09 07:47
S21 6	19997	((key with (updat\$4 chang\$4)) same (device card smartcard chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:24
S21 8	408	((key with (updat\$4 chang\$4)) same (device card smartcard chip)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:25
S21 9	70	((key adj2 (updat\$4 chang\$4)) same (device card smartcard chip)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:26
S22 0	0	((key adj2 (updat\$4 chang\$4)) adj2 (sim device card smartcard chip)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:26

## EAST Search History

S22 1	25	((key adj2 (updat\$4 chang\$4)) with (sim device card smartcard chip)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:58
S22 2	2	((("5325432") or ("5412723")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 15:51
S22 3	52	("5325432").URPN.	USPAT	OR	ON	2007/07/06 15:53
S22 4	973	((key adj2 (updat\$4 chang\$4)) with (sim device card smartcard chip)) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 19:06
S22 5	246	((key adj2 (updat\$4 chang\$4)) with (sim device card smartcard chip)) and (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:55
S22 6	96	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:46
S22 7	7	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) same (wireless mobile cellular) same ((tamper adj2 resistant) (secure adj2 module)) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 17:54
S22 8	8	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) same (wireless mobile cellular) and ((tamper adj2 resistant) (secure adj2 module)) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:39
S22 9	18	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) same ((tamper adj2 resistant) (secure adj2 module)) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:40

## EAST Search History

S23 0	38	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) with (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:47
S23 1	1	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) with (wireless mobile cellular) same (chang\$4 updat\$4 upgrad\$4 rekey\$4) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:48
S23 2	27	((key adj2 (stor\$4 transport\$4 )) adj2 (sim device card smartcard chip)) with (wireless mobile cellular) and (chang\$4 updat\$4 upgrad\$4 rekey\$4) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:56
S23 4	7	((key adj2 (stor\$4 transport\$4 chang\$4 updat\$4 rekey\$4 )) adj2 (sim device card smartcard chip plug\$1in)) same (wireless mobile cellular) same ((tamper adj2 resistant) (secure adj2 module)) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 17:54
S23 5	96	((key adj2 (stor\$4 transport\$4 chang\$4 updat\$4 rekey\$4 )) adj2 (sim device card smartcard chip plug\$1in)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 18:23
S23 6	1	("7111324").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 18:21
S23 7	4	((key adj2 (stor\$4 near5 (transport\$4 chang\$4 updat\$4 rekey\$4 ))) with (sim device card smartcard chip plug\$1in)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 18:25
S23 8	40	((key with (stor\$4 with (transport\$4 chang\$4 updat\$4 rekey\$4 ))) with (sim device card smartcard chip plug\$1in)) same (wireless mobile cellular) and @ad<"20011101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 18:34
S23 9	1	("5471532").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 18:35

## EAST Search History

S24 0	1	09/425816	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 19:06
S24 1	18	("5442706").URPN.	USPAT	OR	ON	2007/07/06 19:15
S24 2	1	09/993495	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 19:45
S24 3	1	("20020110243").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 19:50
S24 4	1	("6980795").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 19:50
S24 5	1	("6934391").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/09 07:10